

TITLE: REDUCTION OF ANTIOXIDANT ENZYME LEVELS IN TUMOR CELLS USING
ANTISENSE OLIGONUCLEOTIDES

INVENTORS NAME: Larry Wayne Oberley et al.

DOCKET NO.: 875.042US1

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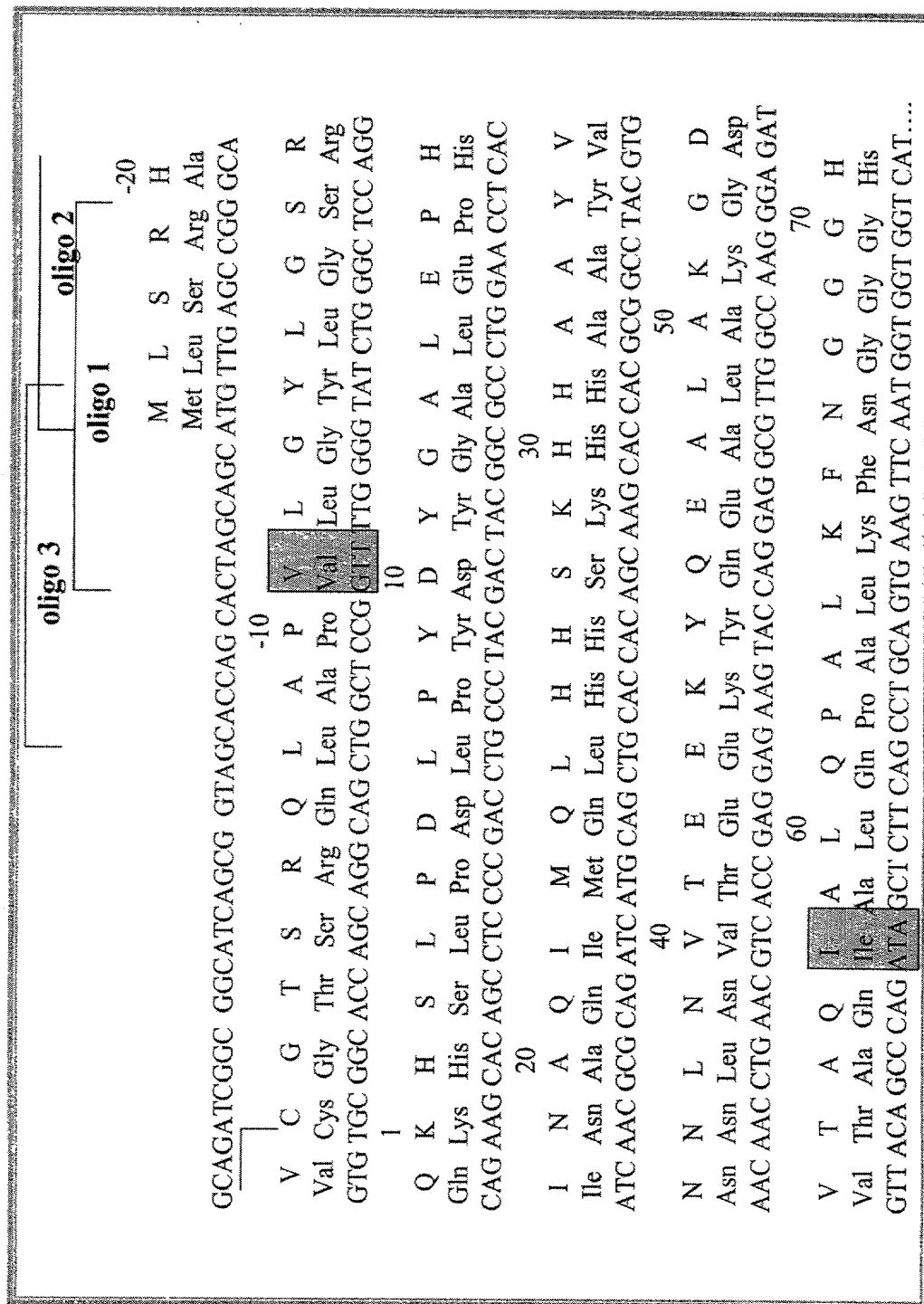


FIG. 1

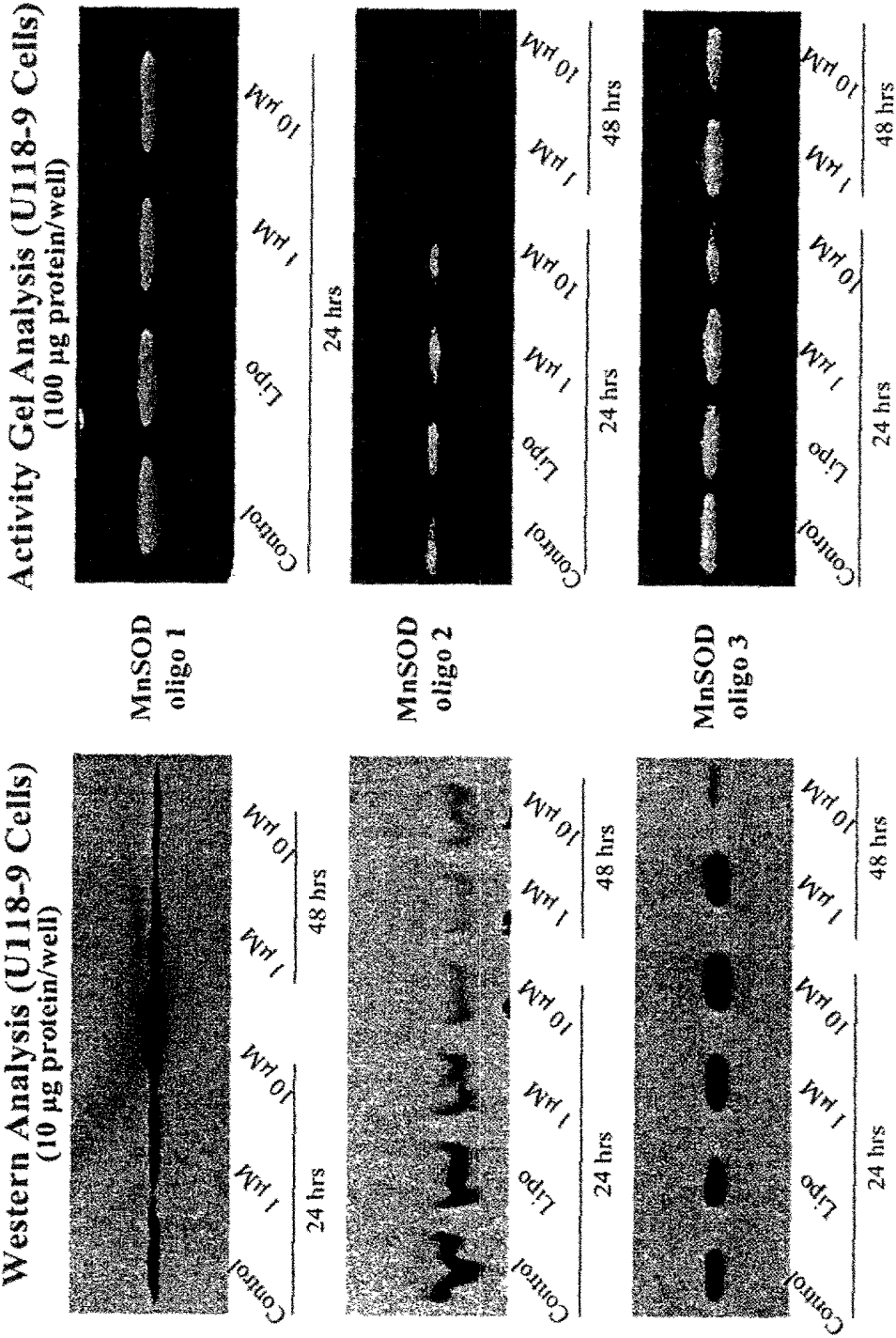
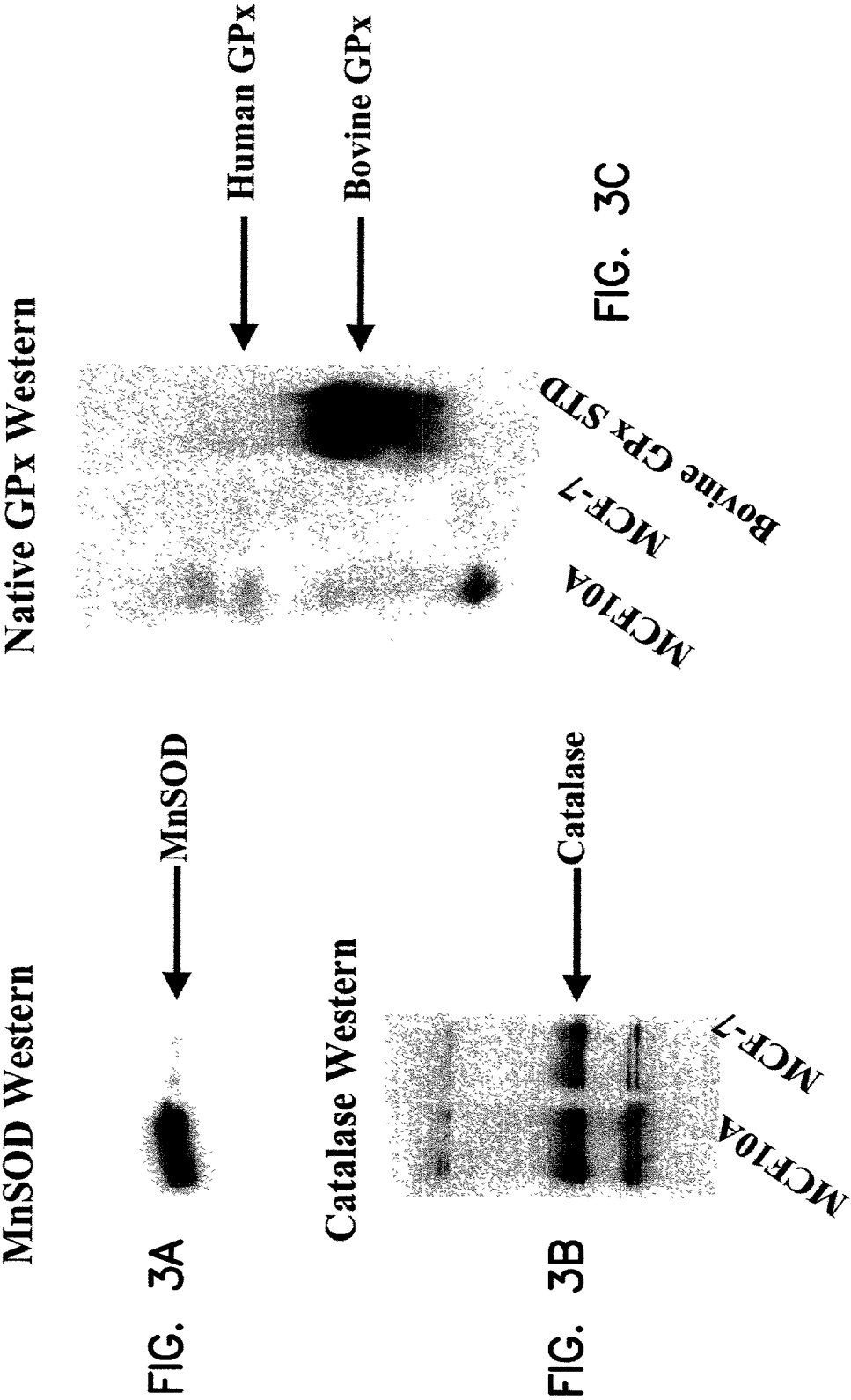


FIG. 2B

FIG. 2A



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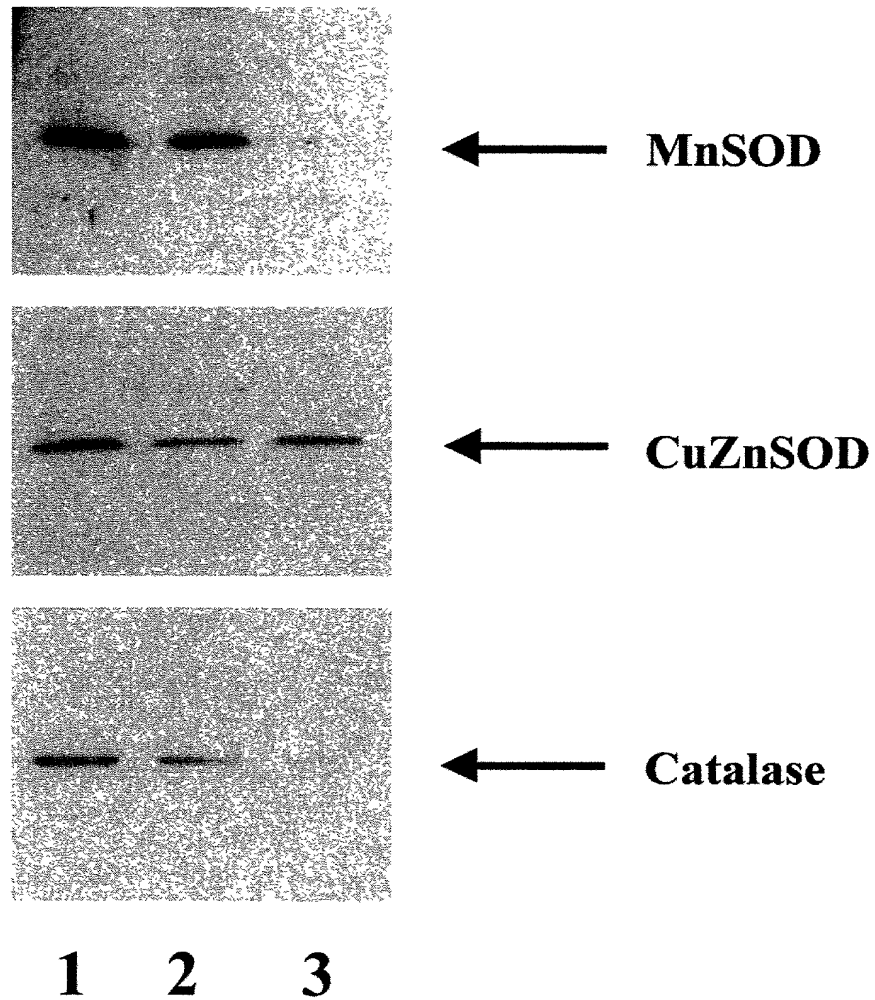


FIG. 4

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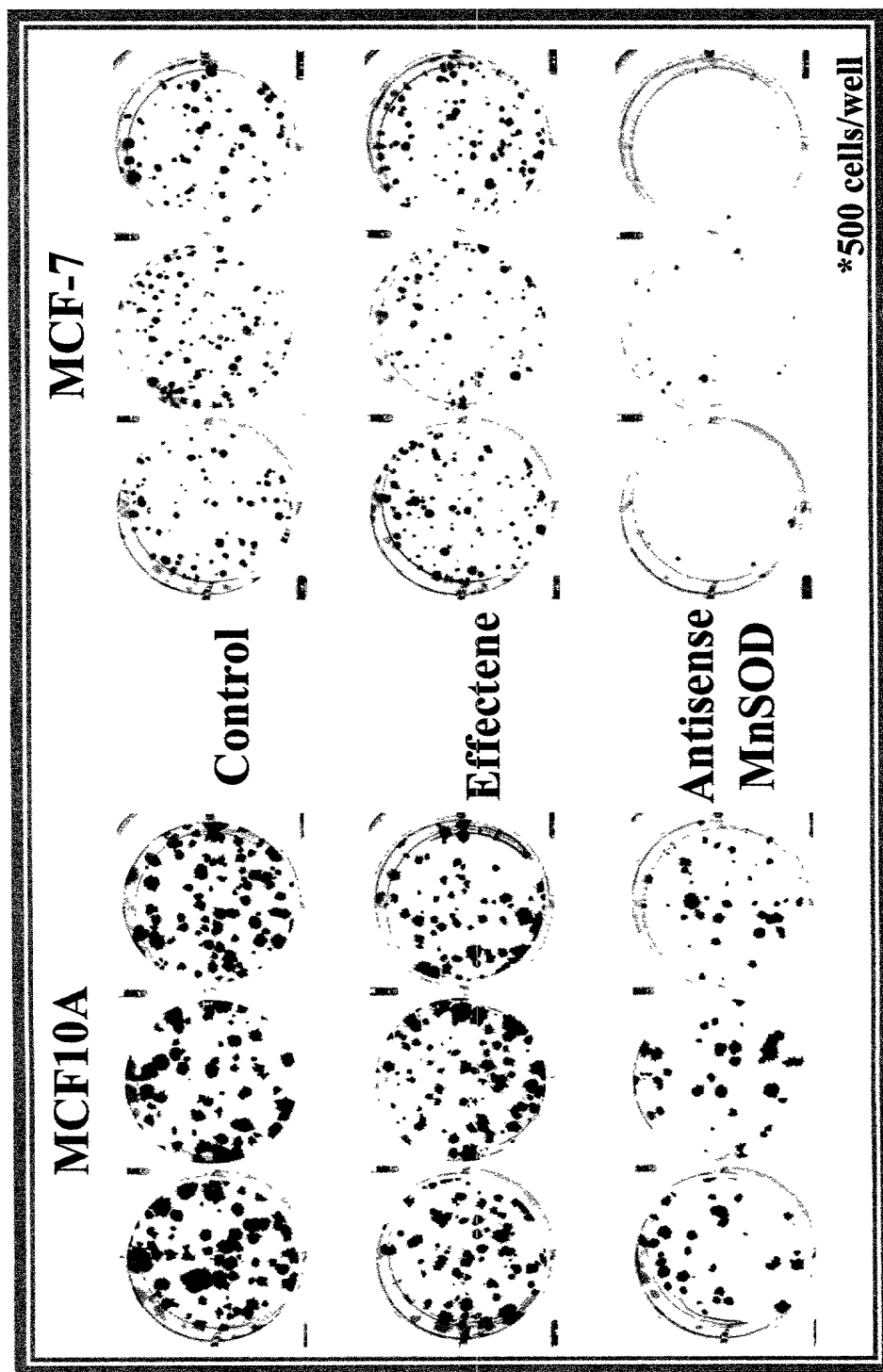


FIG. 5

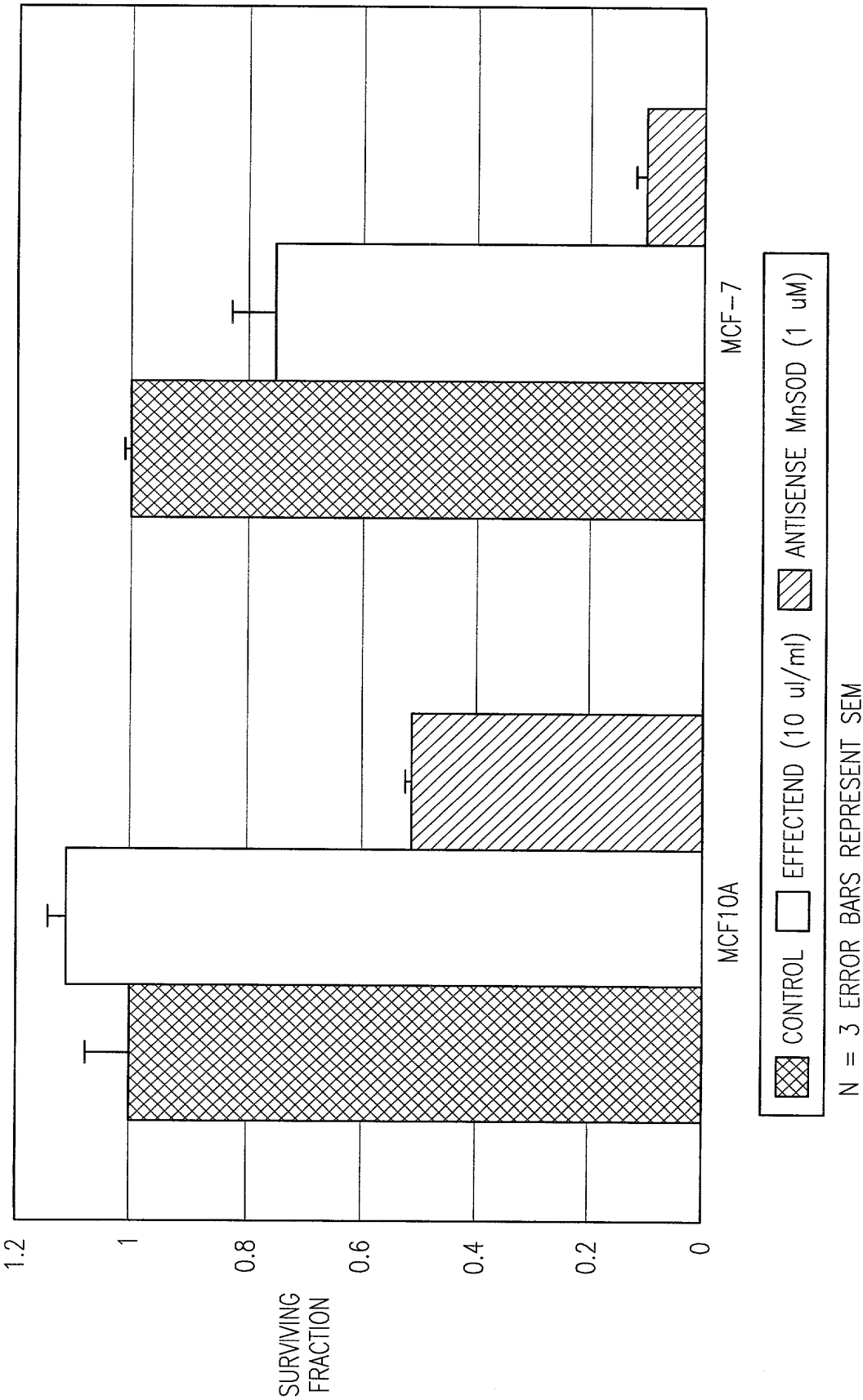


FIG. 6

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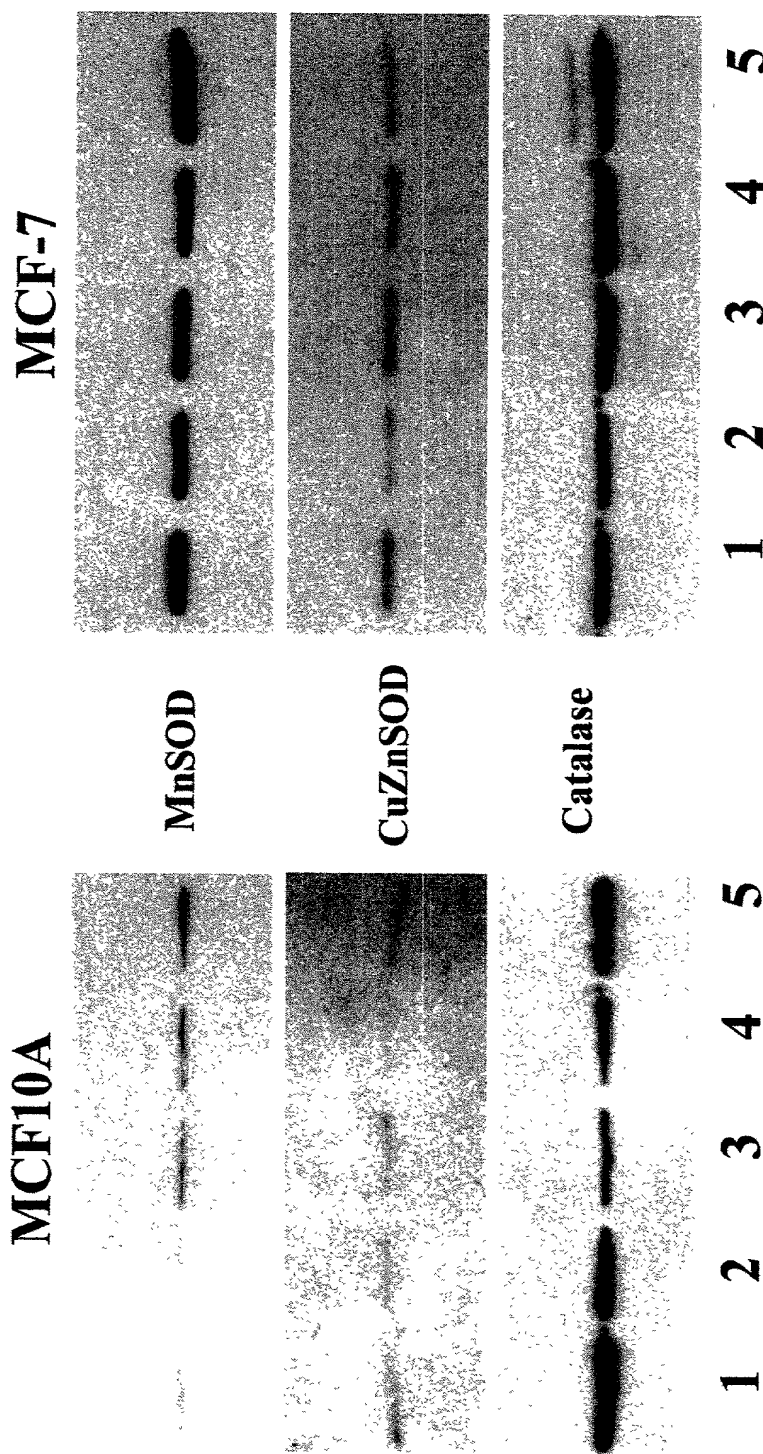


FIG. 7A

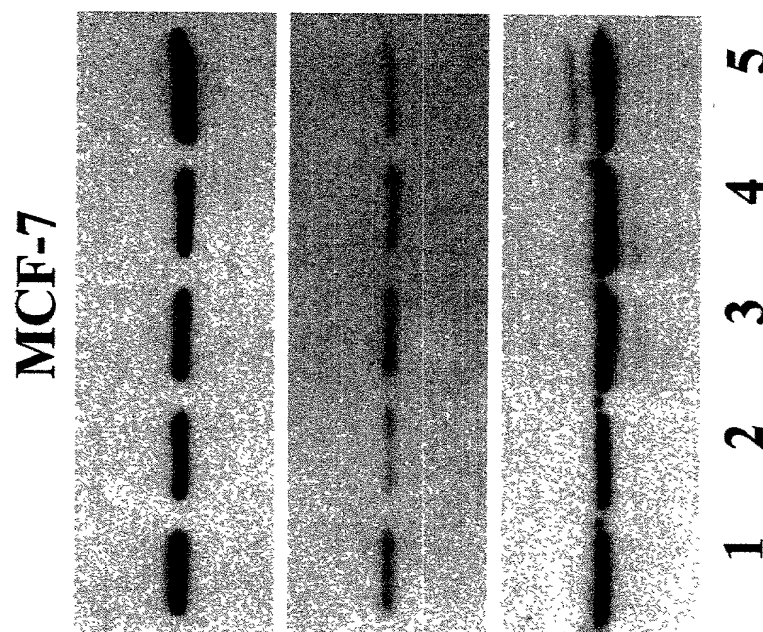


FIG. 7B

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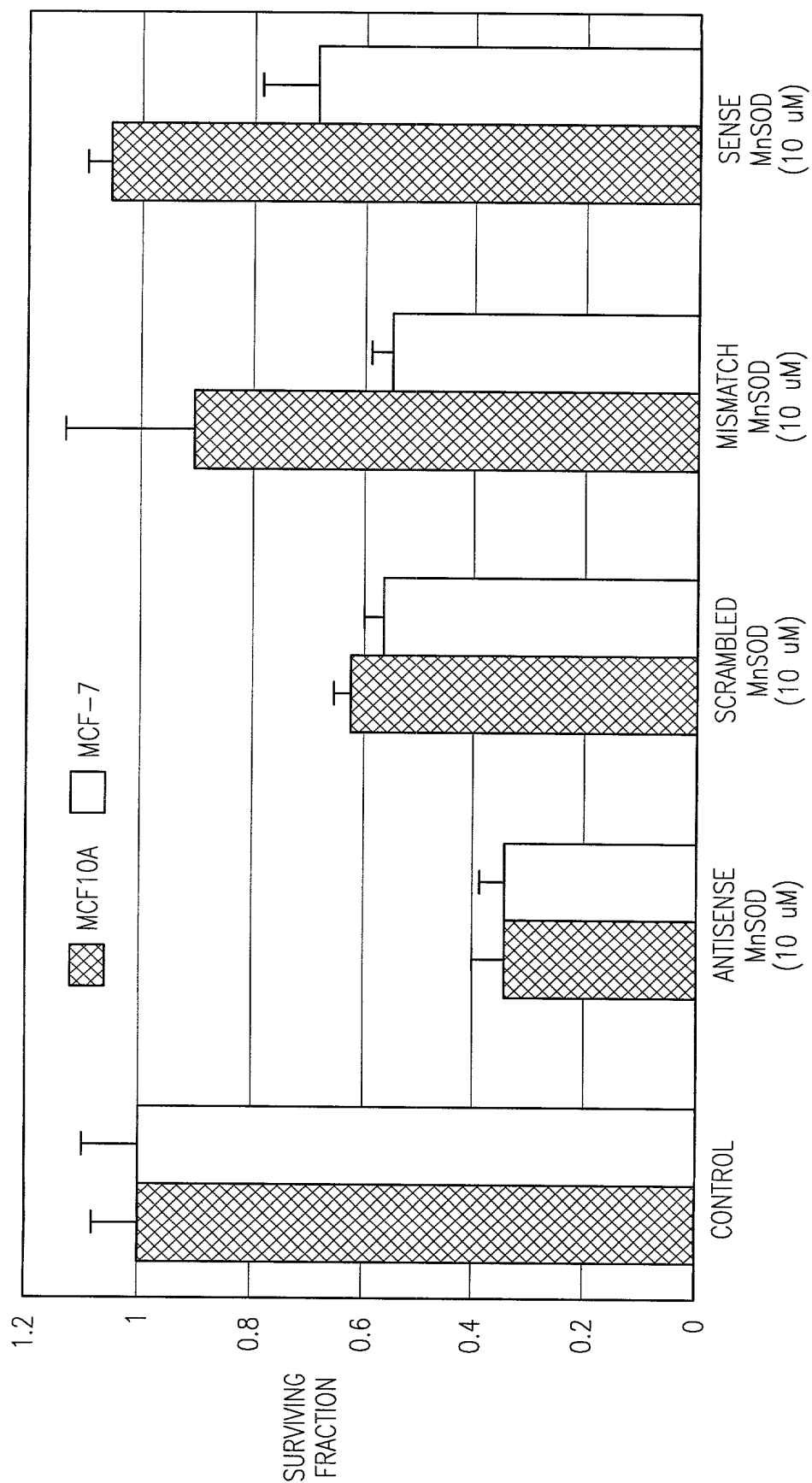


FIG. 8

Group	Disease Free Mice (Day 316)	Number of Mice Living
MCF-7 Control	25% (1/4)	(2/4)
Lipofectin only	25% (1/4)	(1/4)
Antisense MnSOD ODN	75% (3/4)	(3/4)
Mismatch MnSOD ODN	0% (0/4)	(0/4)
Scrambled MnSOD ODN	50% (2/4)	(2/4)
Sense MnSOD ODN	25% (1/4)	(1/4)

FIG. 9

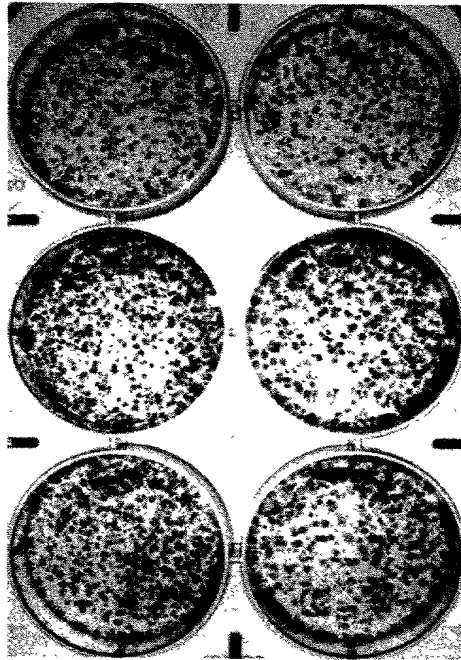
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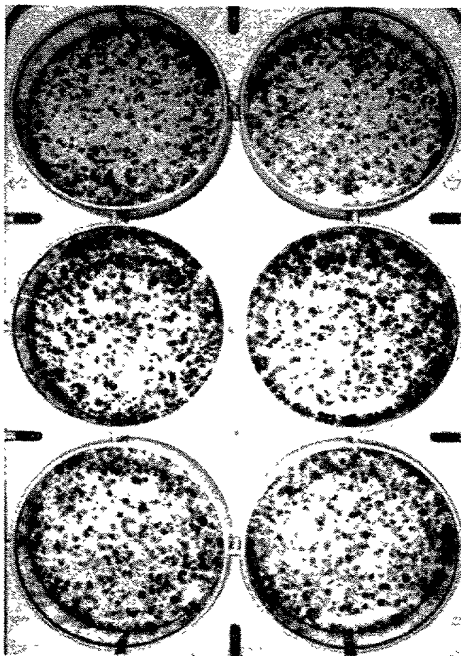
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FIG. 10B



Effectene

FIG. 10A



Control

Antisense
MnSOD

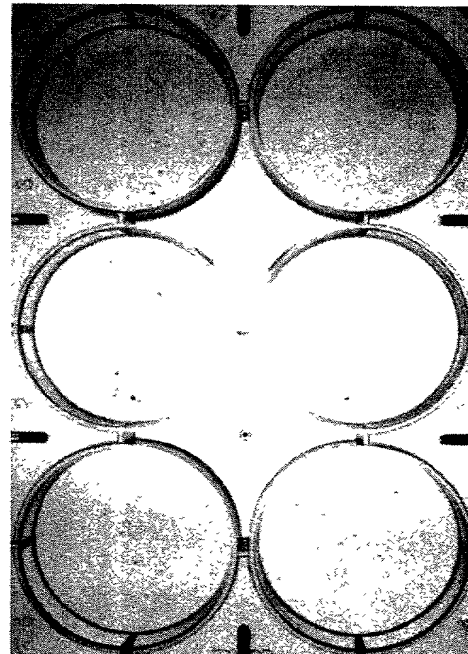


FIG. 10C

*500 cells/well

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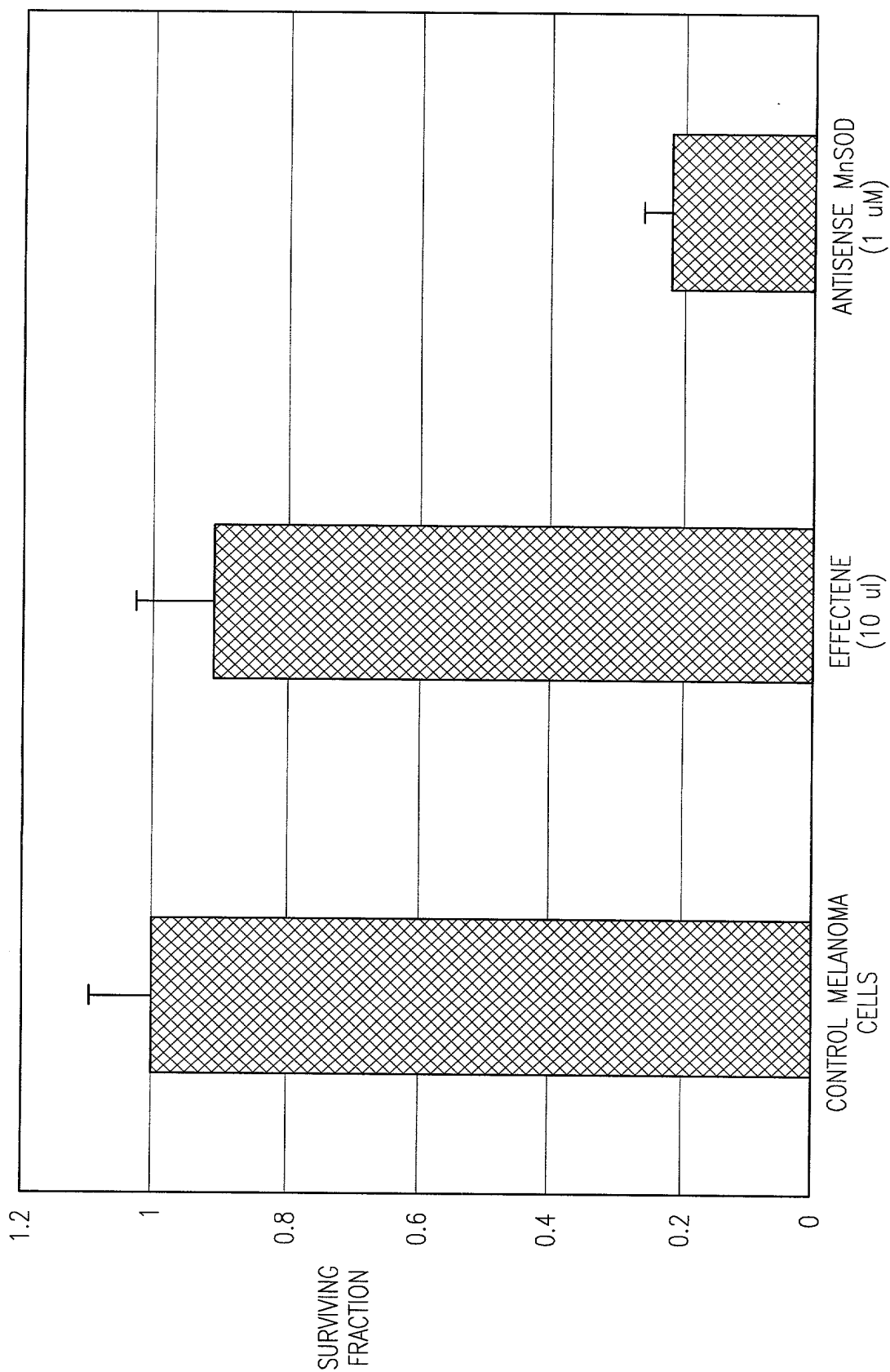


FIG. 11